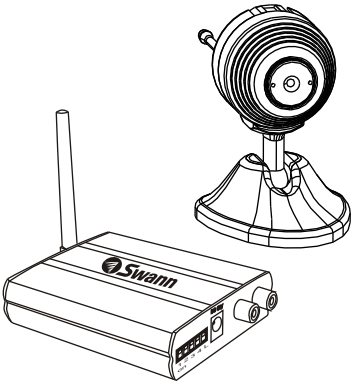
English

Safety Camera Kit

Wireless Camera & Receiver



STOP

Swann Helpdesk
Has the answers

If this device does not work when you first plug it in, do not take it back to the store.

Contact the Swann Helpdesk using our fast e-mail service tech@swann.com.au or call us on one of the Toll-Free numbers shown on the back cover of this booklet.

FCC INFORMATION

This device complies with Part15 of the FCC Rules. Operation is subject to the following two conditions:

(**1**) This device may cause harmful interference,

(**2**) This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Installation Guide

Introduction

The Swann Safety Camera Kit allows you to wirelessly transmit pictures and sound with ease. As the radio waves it uses have a frequency of 2.4GHz, they can be received within a radius of up to 160ft/50m in open line of sight. The Safety Camera Kit Receiver works with other Swann wireless cameras to allow you to have the option of using different frequencies for different locations and conditions to ensure that you have the best possible image quality for your situation.

Please note: The Swann Safety Camera Kit broadcasts video in the public domain. The video signal is not encrypted and could potentially be viewed by anyone with a similar 2.4GHz receiver unit. Please keep this in mind when positioning and using any wireless camera equipment.

WARNING - IMPORTANT SAFETY INSTRUCTIONS

To reduce fire or shock hazard do not expose the unit or adapters to rain or moisture
Do not handle damaged or leaking Lithium-Ion batteries
Do not use if any of the terminals or wires are exposed
Use only the power adapter that is included in this pack in an upright or vertical position
Any modifications not approved by Swann Communications PTY LTD. may void the user's ability to operate this product

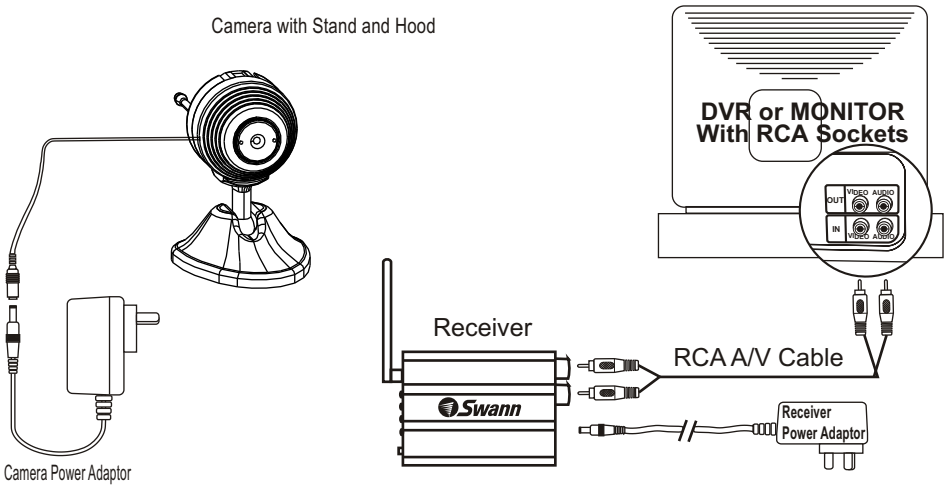
Package Contents

- Safety Camera with built in 2.4GHz Transmitter and Stand
- 4 channel 2.4GHz Receiver
- Antenna for Receiver
- 2 x Mains Power Adaptor (1 for use with Camera and 1 for Receiver)
- RCA A/V Cable
- Manual & Accessories
- Focus Tool
- Dip Switch Tool

If any of these items are missing, please contact your retailer.

NOTE:
All jurisdictions have specific laws and regulations relating to the use of cameras. Before using any camera for any purpose, it is the buyer's responsibility to be aware of all applicable laws and regulations that prohibit or limit the use of cameras and to comply with the applicable laws and regulations.
The legality of watching people other than yourself changes from country to country and even state to state. Contact your local government's privacy information body or your local Police for more information on what if any restrictions you may face.

Setting up your system



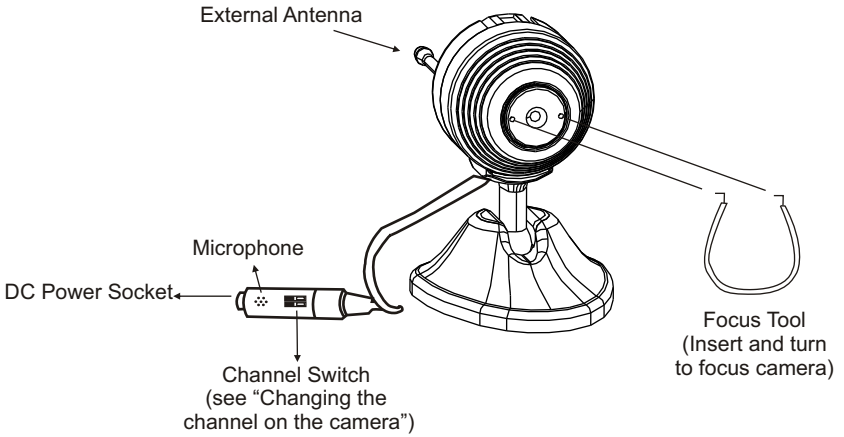
The Camera features an omni-directional antenna which is most effective when used in the UPRIGHT position.

1) Connect both the Camera and the Receiver to their respective power adaptors.

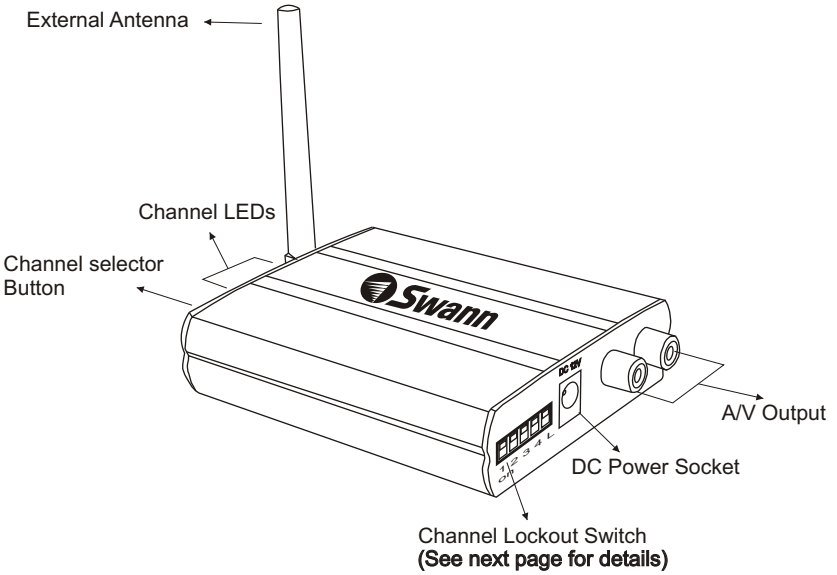
2) Connect the Receiver to the equipment you wish to view the camera on (monitor, AV TV, VCR, DVR etc) using the supplied RCA A/V-cable. If you have an A/V TV with RCA sockets you will need to switch the TV to the AV channel to view the camera. To connect the Receiver to your VCR, you will need to turn the VCR to the AV Input selection and turn your TV onto the channel you would normally use to view a tape or movie on your VCR. The AV channel may be activated by a button on your remote that is marked with this symbol , or L1 or L2 or possibly AV, AV1 or AV2. Check the manual of your TV or VCR for more information on using its AV inputs.

3) After connecting both the Camera and the Receiver make sure the receiver is switched to the same channel as the camera. Press the Channel Select button on the receiver until the LED is lit. Obtain the best picture by adjusting the position of the Camera and Receiver unit to suit. Try slightly different locations of either unit for optimum results.

Camera features



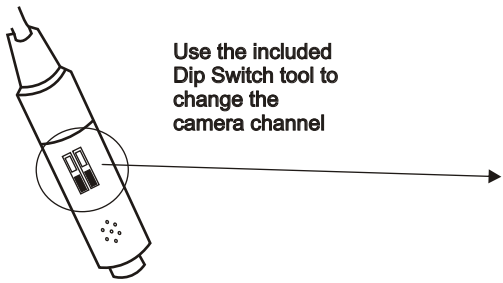
Receiver & Remote Control features



Changing the channel on the camera

The Safety Camera can be switched to any of four frequencies to assist in avoiding interference. Please see the illustration below for frequency settings. On the power cable connected to the camera find the small flap covering the two dip switches. Move the switches using the dip switch tool, or a pin according to the images below to set the correct channel. The LEDs on the receiver indicate which channel is currently selected.

DC Power Socket



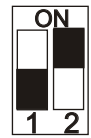
By changing these switch settings, the frequency that the Camera transmits on changes. Once you have set the channel on the Camera, select the same channel on the receiver. If you experience interference try a different channel.

Do not set two Cameras to the same channel or they will interfere with each other.

Channel & Frequency

Ch1 - 2414MHz
1 = OFF
2 = OFF

Ch2 - 2432MHz
1 = ON
2 = OFF



Ch3 - 2450MHz
1 = OFF
2 = ON

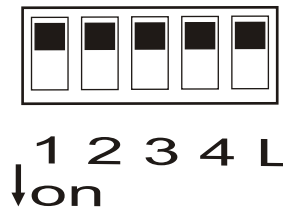
Ch4 - 2468MHz
1 = ON
2 = ON

Channel lockout switch on the receiver

This receiver is equipped with Lockout and Loop features.

The switches are numbered 1,2,3,4 representing 4 camera channels. When the switch is in the UP position the camera channel is OFF. When the switching between channels the receiver will automatically skip channel set to OFF.

Loop mode allows you to see all active camera channels set to ON by cycling through channels every few seconds. This feature is useful for monitoring cameras or VCR recording. Move the L switch to ON to cycle active channels.



Troubleshooting, hints and tips

Poor Picture: Realign antennas until image quality improves, slightly adjust the position of the Camera or Receiver. Change the location of the Camera to allow the minimum of solid objects such as walls between it and the receiver as illustrated at the bottom of the page. Try changing to one of the other channels using the instructions on the previous page and check the signal quality again.

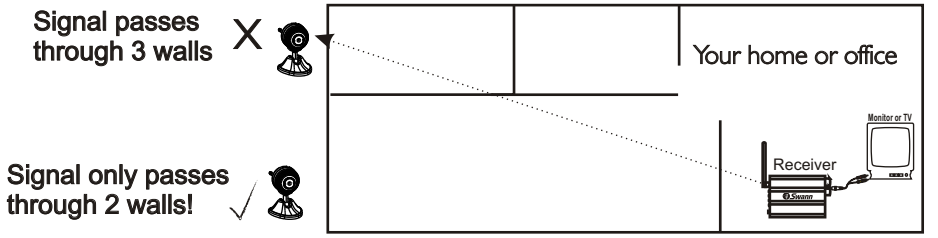
Lines only: no clear picture: Check to confirm there is no microwave oven or other 2.4GHz equipment operating close by ie; Cordless Telephones, Wireless Baby Monitors, Wireless LAN equipment etc . Make sure the Receiver is on the correct channel for the particular camera.

Picture ghosting or interference: Some home appliances such as Wireless LANs, 2.4GHz portable telephones and Microwave ovens operate on or near the 2.4GHz frequency. If you receive interference from such an appliance, try moving the Camera or Receiver to location further away from the appliance or in the event of interference from a Wireless LAN device, try changing the Wireless LAN to a different channel to improve the signal quality.

No picture: check the receiver to confirm it is powered and make sure the A/V connection of the Receiver is not plugged into the Audio Out socket. Make sure the Receiver is on the correct channel. Check to ensure the camera is plugged in and has power. Check that the channel on the receiver is the set to the same as the camera you wish to view.

Red haze over picture: In some cases where the sun shines into the front of the camera a faint red glow can be seen. Move the camera to a shaded location, or fit a hood to stop sunlight entering the camera lens directly.

Foreground is dark while background is too bright: If the camera is looking from a dark area towards a light area in some cases the automatic exposure can find it difficult to balance the image correctly. Change the location of the camera so that the point of greatest interest has the largest area of the image (if you want to see the bright area, move the camera so that almost all of the screen shows this area. If you want to see the darker area, move the camera so that most of the image shows this area)



Technical Specifications

Safety Camera

Sensor:	1/3” Colour CMOS
Horizontal Resolution:	380 TV lines
Auto Electronic Exposure:	1/60 - 1/15000 sec.
Minimum Illumination:	1 Lux @ f1.2
Signal to Noise Ratio:	>48dB
Board Lens:	$^{7}/_{32}$” ; 5.6mm
View Angle:	60 degrees
Video System:	PAL 50Hz (Australia, UK/Europe), NTSC 60Hz (USA and Canada)

Automatic Exposure / Gain / White balance/IR LED activation

Available Channels:	4 Channels in 2.4Ghz frequency band*
RF Output Power:	FCC, CE and C-tick compliant
Operating Power:	12V DC
Size:	1.1”x1.2”x1.1” (28x30x28mm)
Antenna:	Omni-directional
Transmitting Range:	Up to 160ft ~ 50M line of sight
Weight:	¾oz ~ 20 grams
Operating Temperature:	-10° - 50°C (14° - 122°F)

Receiver

Frequency:	4 Channels in 2.4 Ghz frequency band
Video input/output:	1V p - p / 75 ohm
Audio input / output:	1V / 10kW
Audio Bandwidth:	50 - 17000 Hz
Operating Power:	12V DC
Size:	4.7”x3.5”x1” (120 x 90 x 25mm)

*The Safety Camera Kit uses following frequencies for the 4 channels: Channel 1(2414MHz), Channel 2 (2432MHz), Channel 3 (2450MHz) and Channel 4 (2468MHz).

Help Desk / Support Details

Swann Technical Support

All Countries E-mail: tech@swann.com.au

Telephone Helpdesk

UNITED STATES toll free
1-800-627-2799
1-877-274-3695
(Su, 2pm-10pm US PT)
(M-Th, 6am-10pm US PT)
(F 6am-2pm US PT)
USA Exchange & Repairs
562-777-2551
(M-F, 9am-5pm US PT)

AUSTRALIA toll free
1300 138 324
(M 9am-5pm AUS ET)
(Tu-F 1am-5pm AUS ET)
(Sa 1am-9am AUS ET)
New Zealand toll free
0800 479 266
International
+61 3 8412 4610

See http://www.worldtimeserver.com for information on different time zones and the time in Melbourne Australia compare to your local time.

WARNING: IMPORTANT NOTICE ABOUT CORRECT USE OF POWER ADAPTER

The correct orientation for the enclosed power adapter is in a vertical or floor mount position

L'orientation correcte pour L'adapteur secteur fourni est dans une position verticale ou plancher-monte.

La orientacion correcta para el adaptador electrico incluido es en posicion vertical o instalado en el suelo.

Warranty Information

Swann Communications U.S.A. Inc.
10612 Shoemaker Avenue, Bldg A
Santa Fe Springs, CA 90670 USA
1-800-627-2799

Swann Communications warrants this product against defects in workmanship and material for a period of one (1) year from it's original purchase date. You must present your receipt as proof of date of purchase for warranty validation. Any unit which proves defective during the stated period will be repaired without charge for parts or labour or replaced at the sole discretion of Swann. The repair or replacement will be warranted for either ninety days or the remainder of the original one year warranty period, whichever is longer. The end user is responsible for all freight charges incurred to send the product to Swann's repair centres. The end user is responsible for all shipping costs incurred when shipping from and to any country other than the country of origin. The warranty does not cover any incidental, accidental or consequential damages arising from the use of or the inability to use this product. Any costs associated with the fitting or removal of this product by a tradesman or other person or any other costs associated with its use are the responsibility of the end user. This warranty applies to the original purchaser of the product only and is not transferrable to any third party. Unauthorised end user or third party modifications to any component or evidence of misuse or abuse of the device will render all warranties void.